

09/719168

DNA-sequences coding for a glucose-translocator, plasmids, bacteria, yeast  
and plants containing this transporter  
PCT/EP99/04095

Prof. Dr. Flgge, Ulf-Ingo

SEQUENCE LISTING OF PLASTIDIC GLUCOSE TRANSPORTERS

Zea mays

1874 nucleotides

Coding region: nucleotides 2 to 1630

3'-untranslated region: nucleotides 1631 to 1874

g gca cga gag atg atg cgc tgc gct gca acg ggc ggc ggg tgc gtc gct 49  
Ala Arg Glu Met Met Arg Cys Ala Ala Thr Gly Gly Cys Val Ala

<sup>attached</sup>  
See sample of sequence listing

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001  
<141> 1998-12-31

<150> US 08/999,999  
<151> 1997-10-15

<160> 4

<170> PatentIn version 2.0

<210> 1  
<211> 389  
<212> DNA  
<213> Paramecium sp.

<220>  
<221> CDS  
<222> (279)...(389)

<300>  
<301> Doe, Richard  
<302> Isolation and Characterization of a Gene Encoding a  
Protease from Paramecium sp.  
<303> Journal of Genes  
<304> 1  
<305> 4  
<306> 1-7  
<307> 1988-06-31  
<308> 123456  
<309> 1988-06-31

<400> 1  
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tgcgtgtggca attgtgtggca gtgcacacagg cttttcagcc aggttttaggg tgggttccgc 180  
cgccggcgccgg cggcccccttc cgcgttccttc tcgcgccttc ctctgtctt cctctcgctc 240

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ggacacctgatt	agggtgagcag	gaggaggggg	cagtttagc	atg	gtt	tca	atg	ttc	agc	296
				Met	Val	Ser	Met	Phe	Ser	
				1				5		

tgg	tct	ttc	aaa	tgg	cct	gga	ttt	tgt	ttg	ttt	gtt	tgt	ttg	ttc	caa	344
Leu	Ser	Phe	Lys	Trp	Pro	Gly	Phe	Cys	Leu	Phe	Val	Cys	Leu	Phe	Cln	
			10				15					20				

tgt	ccc	aaa	gtc	ctc	ccc	tgt	cac	tca	tca	ctg	cag	ccg	aat	ctt	389
Cys	Pro	Lys	Val	Leu	Pro	Cys	His	Ser	Ser	Leu	Gln	Pro	Asn	Leu	
		23					30					35			

<210> 2

<211> 37

<212> PRT

<213> Paramecium sp.

<400>	2														
Met	Val	Ser	Met	Phe	Ser	Leu	Ser	Phe	Lys	Trp	Pro	Gly	Phe	Cys	Leu
1				5					10					15	

Phe	Val	Cys	Leu	Phe	Gln	Cys	Pro	Lys	Val	Leu	Pro	Cys	His	Ser	Ser
			20					25					30		

Leu	Gln	Pro	Asn	Leu
				35

<210> 3

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Designed peptide based on size and polarity to act as a linker between the alpha and beta chains of Protein XYZ.

<400>	3														
Met	Val	Asn	Leu	Glu	Pro	Met	His	Thr	Glu	Ile					
1				5					10						

<210> 4

<400> 4

000

[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOS	Count includes total number of SEQ ID NOS	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO:#	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.	M
<213>	Organism	Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.	M
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

		in feature	
<223>	Other Information	Other relevant information; four lines maximum	base was used in a sequence
			M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<300>	Publication Information	Leave blank after <300>	O
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	O
<302>	Title		O
<303>	Journal		O
<304>	Volume		O
<305>	Issue		O
<306>	Pages		O
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MMM-yyyy or Season-yyyy	O
<308>	Database Accession Number	Accession number assigned by database including database name	O
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MMM-yyyy	O
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	O

<311>	Patent Filing Date	Document filing date, for patent-type citations only; specify as yyyy-mm-dd	O
<312>	Publication Date	Document publication date, for patent-type citations only; specify as yyyy-mm-dd	O
<313>	Relevant Residues	FROM- (position) TO (position)	O
<400>	Sequence	SEQ ID NO should follow the numeric identifier and should appear on the line preceding the actual sequence	CM

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;